

Converting Colors

XYZ(38.7797, 50.1901, 91.8452)

Have a look what the booklet for
XYZ(38.7797, 50.1901, 91.8452)
contains.

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Color

**XYZ(38.7466, 50.1774,
91.6474)**

Conversions

Conversions Part 1

Format	Color
Hex	2ECCF2
RGB	46, 204, 242
RGB Percent	18%, 80%, 95%
CMY	0.8195, 0.2000, 0.0510
CMYK	0.81, 0.16, 0.00, 0.05
HSL	192°, 88%, 56%
HSV	192°, 81%, 95%
XYZ	38.7466, 50.1774, 91.6474
YIQ	161.0900, -106.3660, -21.6780

Conversions

Conversions Part 2

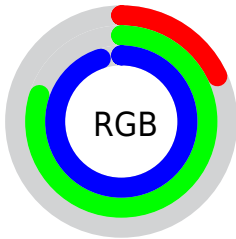
Format	Color
R _Y B	46, 133, 242
Decimal	3067122
CIE Lab	76.18, -26.58, -29.91
CIE LCh	76, 40.012, 228.372
Yxy	50.1774, 0.2146, 0.2779
Android (android.graphics.Color)	4281257202 (0xFF2ECCF2)
YUV	161.0900, 39.8886, -100.9339
Hunter-Lab	70.8360, -26.3253, -27.1240

Details

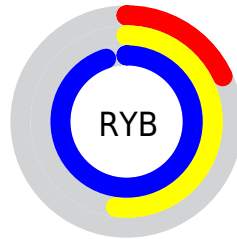
The XYZ color **38.7466, 50.1774, 91.6474** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **40.2835, 25.4182, 5.3697**, and the grayscale version is **33.7771, 35.5362, 38.6989**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **19.7693, 25.3579, 50.3070** is the 20% darker color. If you saturate the color by 10%, you get **36.8491, 47.5693, 91.2450**, and if you desaturate by 10%, it is **41.2945, 53.1724, 92.0922**.

Distribution



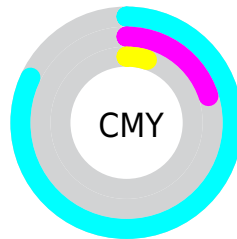
- Red (18%)
- Green (80%)
- Blue (95%)



- Red (18%)
- Yellow (52%)
- Blue (95%)



- Cyan (81%)
- Magenta (16%)
- Yellow (0%)
- Black (5%)



- Cyan (82%)
- Magenta (20%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7466, 50.1774, 91.6474 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.7466, 50.1774, 91.6474 by changing the saturation by 10% instead.

38.7466, 50.1774,
91.6474

38.7466, 50.1774,
91.6474

332.0377,
387.3593, 554.0831

26.7425, 35.5544,
68.7664

72.5476, 90.4377,
151.5801

17.5155, 24.0902,
50.0509

95.0752, 116.8437,
189.4688

10.7003, 15.4006,
35.0824

121.8414,
147.9462, 233.1972

5.9315, 9.1010,
23.4423

153.2114,
184.1295, 283.1838

2.8437, 4.8071,
14.7121

189.5507,
225.7781, 339.8472

1.0717, 2.1345,
8.4732

231.2246,

0.0012, 0.6839,

273.2763, 403.6058

4.3071

278.5985,
327.0086, 474.8783

■ 0.0000, 0.0000,
1.7953

■ 0.0000, 0.0000,
0.4248

■ 38.7466, 50.1774,
91.6474

■ 38.7466, 50.1774,
91.6474

■ 36.8491, 47.5693,
91.2450

■ 41.2945, 53.1724,
92.0922

■ 35.5603, 45.4771,
90.9091

■ 44.5781, 56.5962,
92.5800

■ 48.6747, 60.4897,
93.1156

■ 53.6502, 64.8875,
93.7022

■ 59.5636, 69.8204,
94.3427

■ 66.4686, 75.3164,
95.0396

■ 74.4149, 81.4016,
95.7953

■ 83.4486, 88.1001,
96.6121

■ 90.2934, 93.7234,
97.3368

Harmonies

Analogous

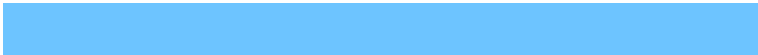
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2832, 50.1774, 68.6997



38.7466, 50.1774, 91.6474



44.8464, 50.1774, 105.8388

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.7466, 50.1774, 91.6474



63.2427, 50.1774, 63.3814



43.2935, 50.1774, 24.0846

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.7466, 50.1774, 91.6474



40.2835, 25.4182, 5.3697

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.6557, 50.1774, 23.3643



38.7466, 50.1774, 91.6474



62.7148, 50.1774, 42.6336

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.7466, 50.1774, 91.6474



59.2931, 50.1774, 86.8870



57.9183, 50.1774, 29.2307



37.7126, 50.1774, 31.5514

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7466, 50.1774, 91.6474



49.8208, 50.1774, 106.4730



57.9183, 50.1774, 29.2307



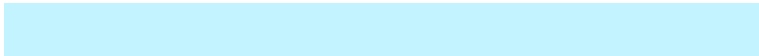
45.6250, 50.1774, 23.1339

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.7483, 50.1792, 91.6486



72.3376, 82.8444, 106.7857



34.4011, 64.6947, 18.6466



14.8875, 17.2582, 22.7965



0.0000, 0.0000, 0.0000



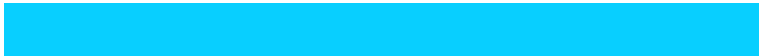
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7483, 50.1792, 91.6486



40.4688, 51.9154, 102.4955



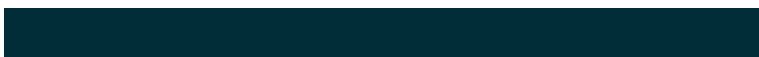
22.5257, 17.7341, 86.2411



15.9718, 17.3777, 20.2340



19.2001, 24.6245, 48.8689



1.6632, 2.1803, 4.0874

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.4955, 25.1927, 59.4351



52.5907, 25.9331, 61.2922



53.4210, 51.6932, 9.7489



16.3152, 15.9758, 19.2160



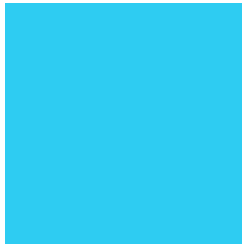
25.0170, 12.2792, 29.0695



2.1144, 1.0348, 2.5935

Previews

White Background



This preview shows how the XYZ color 38.7466, 50.1774, 91.6474 looks on a white background.

Color Contrast Check

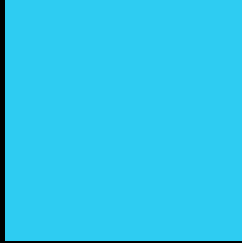
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.7466, 50.1774, 91.6474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

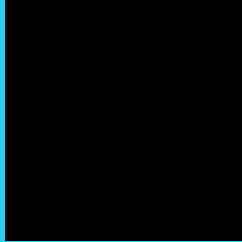
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7466, 50.1774, 91.6474

Background



This preview shows how black text looks on a background with the XYZ color 38.7466, 50.1774, 91.6474.

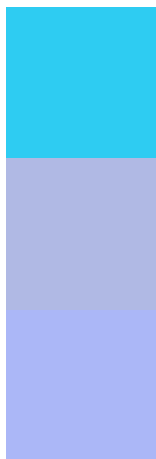


This preview shows how white text looks on a background with the XYZ color 38.7466, 50.1774,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.7466, 50.1774, 91.6474

Protanopia

49.2570, 49.5295, 80.3628

Deuteranopia

50.5166, 49.2403, 94.8375



Tritanopia

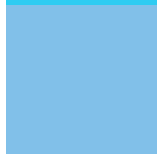
35.9985, 50.1266, 78.2991

Trichromacy



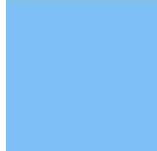
Original Color

38.7466, 50.1774, 91.6474



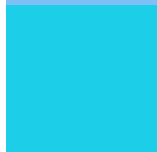
Protanomaly

42.6109, 48.2496, 84.1581



Deuteranomaly

43.7164, 48.2898, 93.4030



Tritanomaly

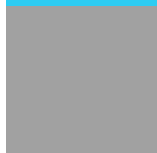
36.9740, 50.1590, 83.3342

Monochromacy



Original Color

38.7466, 50.1774, 91.6474



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.6242, 39.0839, 54.5397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7466, 50.1774, 91.6474 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(46, 204, 242)` looks like.

```
.text, #text, p{  
    color:rgb(46, 204, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(46, 204, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 204, 242) }
```

Border

The CSS property to change the border of an element to XYZ 38.7466, 50.1774, 91.6474 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(46, 204, 242) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(46, 204, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(46, 204, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 204, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 204, 242);  
box-shadow:4px 4px 4px 4px rgb(46, 204,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7466, 50.1774, 91.6474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 204, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(46, 204,  
242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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